

1
SEQUENCE LISTING

<110> Holm, Arne
Larsen, Bjarne

<120> IMPROVED SOLID-PHASE PEPTIDE SYNTHESIS AND AGENT FOR
USE IN SUCH SYNTHESIS

<130> PPT-1996000050-US-CIP

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<150> 09/254,523
<151> 1999-03-09

<150> PCT/DK97/00375
<151> 1997-09-09

<150> DK 0971/96
<151> 1996-09-09

<160> 45

<170> PatentIn Ver. 2.0

<210> 1
<211> 11
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<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> this peptide may also encompass a deletion
peptide of 2-9 Ala

<400> 1
Ala Ala Ala Ala Ala Ala Ala Ala Ala Lys
1 5 10

<210> 2
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2
Ala Ala Ala Ala Ala Ala
1 5

00551336-041300

<210> 3
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 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 3
 Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Lys
 1 5 10

<210> 4
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 <213> Artificial Sequence

<220>
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 peptide

<400> 4
 Ala Ala Ala Ala Ala Ala Ala Ala Ala Lys Lys Lys
 1 5 10

<210> 5
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 5
 Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala
 1 5 10 15

Ala Ala Ala Ala Lys Lys Lys
 20

<210> 6
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 6
 Ala Ala Ala Ala Ala Ala Ala Ala Ala Lys Lys Lys Lys Lys Lys
 1 5 10 15

008140-9EET560

<210> 7
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 7
 Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala
 1 5 10 15
 Ala Ala Ala Ala Lys Lys Lys Lys Lys Lys
 20 25

<210> 8
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: acyl carrier protein (65-74)

<400> 8
 Val Gln Ala Ala Ile Asp Tyr Ile Asn Gly
 1 5 10

<210> 9
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: acyl carrier protein (65-74) - (Lys)6

<400> 9
 Val Gln Ala Ala Ile Asp Tyr Ile Asn Gly Lys Lys Lys Lys Lys Lys
 1 5 10 15

<210> 10
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
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<220>
 <223> position 11 is a Lys(tBoc)-HMPA

009140-965556

<220>

<223> positions 12..17 are Lys(tBoc)

<400> 10

Ala Ala Ala Ala Ala Ala Ala Ala Ala Lys Lys Lys Lys Lys Lys
1 5 10 15

<210> 11

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> position 11 is a Lys-MMa

<220>

<223> positions 12..17 are Lys(tBoc)

<400> 11

Ala Ala Ala Ala Ala Ala Ala Ala Ala Lys Lys Lys Lys Lys Lys
1 5 10 15

Lys

<210> 12

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> this peptide may also encompass a deletion peptide of 10 Ala

<220>

<223> this peptide may also encompass a deletion peptide of 1 or 3 Lys

<400> 12

Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala
1 5 10 15

Ala Ala Ala Ala Lys Lys Lys Lys Lys Lys
20 25

<210> 13

<211> 26

<212> PRT

<213> Artificial Sequence

00810 96T560

<223> Description of Artificial Sequence: synthetic peptide

<223> this peptide may also encompass a deletion
peptide of 10 Ala

Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala
1 5 10 15

Ala Ala Ala Ala Lys Lys Lys Lys Lys Lys
20 25

<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic peptide

Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala
1 5 10 15

Ala Ala Ala Ala
20

<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic peptide

Lys Lys Lys Lys Lys Lys
1 5

<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic peptide

<220>

<400> 16
Glu Glu Glu Glu Glu Glu
1 5

```
<220>
<223> Description of Artificial Sequence: synthetic
      peptide
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<400> 17
Glu Lys Glu Lys Glu Lys
1 5

```
<220>
<223> Description of Artificial Sequence: synthetic
      peptide
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```
<400> 18
Val Asn Val Asn Val Gln Val Gln Val Asp
  1             5             10
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<220>
<223> Description of Artificial Sequence: synthetic
      peptide
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<400> 19
Val Asn Val Asn Val Gln Val Gln Val Asp Lys Lys Lys Lys Lys Lys
  1             5             10             15
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<210> 20
<211> 5
<212> PRT
<213> Homo sapiens
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<220>
<223> Enkephalin

<400> 20
Tyr Gly Gly Phe Leu
1 5

<210> 21
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> positions 1..6 are Lys(tBoc)

<400> 21
Lys Lys Lys Lys Lys
1 5

<210> 22
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> positions 1..6 are Lys(Boc)

<400> 22
Lys Lys Lys Lys Lys
1 5

<210> 23
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 23
Glu Glu Glu Glu Glu
1 5

<210> 24
<211> 17

008F40 9EEF560

<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic peptide

<223> positions 1..6 are Lys(tBoc)

<223> position 7 is a HMPA-Lys(tBoc)

Lys Lys Lys Lys Lys Lys Lys Ala Ala Ala Ala Ala Ala Ala Ala Ala

1 5 10 15

Ala

<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic peptide

<223> positions 1..6 are Lys(tBoc)

<223> position 7 is a MMa-Lys

Lys Lys Lys Lys Lys Lys Lys Ala Ala Ala Ala Ala Ala Ala Ala Ala

1 5 10 15

Ala

<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic peptide

Lys Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala
1 5 10

<211> 11

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> position 1 is a MMA-Lys

<400> 27
Lys Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala
1 5 10

<210> 28
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> positions 11..13 are Lys(Boc)

<400> 28
Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Lys Lys Lys
1 5 10

<210> 29
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 29
Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala
1 5 10 15

Ala Ala Ala Ala Lys Glu Lys Glu Lys Glu Lys
20 25

<210> 30
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

008740" GEEF5560

<220>

<223> this peptide may also encompass a deletion
peptide of 16-19 Ala

<400> 30

Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala
1 5 10 15

Ala Ala Ala Ala Lys Lys Lys
20

<210> 31

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> position 11 is a Lys(Boc)-OCH₂-HMPA

<220>

<223> positions 12-17 are Lys(Boc)

<400> 31

Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Lys Lys Lys Lys Lys Lys
1 5 10 15

Lys

<210> 32

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> position 11 is a Lys(Boc)-OCH-MMA

<400> 32

Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Lys
1 5 10

<210> 33

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

003740" 955550

peptide

<220>

<223> position 11 is a Lys(Boc)-OCH-MMa

<220>

<223> positions 12-17 are Lys(Boc)

<400> 33

Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Lys	Lys	Lys	Lys	Lys	Lys
1				5					10					15	

Lys

<210> 34

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> this peptide may also encompass a deletion peptide of 6-9 Ala

<400> 34

Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Lys
1				5					10	

<210> 35

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> position 11 is a Lys(Boc)-OCH-MMa-CO

<220>

<223> positions 12-17 are Glu(OtBu)

<400> 35

Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Lys	Glu	Glu	Glu	Glu	Glu	Glu
1				5					10					15	

Glu

<210> 36

<211> 6

<212> PRT

00370" 91E7550

<220>

<220>

<400> 36

<210> 37

<211> 11

<212> PRT

<220>

<400> 37

<210> 38

<211> 7

<212> PRT

<220>

<220>

<400> 38

<210> 39

<211> 8

<212> PRT

<220>

<220>

<400> 39

Phe Leu Lys Lys Lys Lys Lys Lys
1 5

<210> 40
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> positions 4..9 are Lys(tBoc)

<400> 40
Gly Phe Leu Lys Lys Lys Lys Lys Lys
1 5

<210> 41
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> positions 5..10 are Lys(tBoc)

<400> 41
Gly Gly Phe Leu Lys Lys Lys Lys Lys Lys
1 5 10

<210> 42
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> positions 6..11 are Lys(tBoc)

<400> 42
Tyr Gly Gly Phe Leu Lys Lys Lys Lys Lys Lys
1 5 10

<210> 43
<211> 8
<212> PRT

003740" SEETSGO

<220>

<400> 43

<210> 44

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<400> 44

<210> 45

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 45

Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala
1 5 10